

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A vehicle information processing system for using a Bayesian network model to provide a probabilistically appropriate recommendation of media content to a recipient who receives the recommendation, the recipient being an occupant, the vehicle information processing system comprising:

a model storage unit ~~containing~~ storing a plurality of different Bayesian network models corresponding to a plurality of recipients, the Bayesian network models providing probabilistically appropriate recommendations of media content to the recipients depending on the recommendation conditions ~~condition, wherein the recommendation condition is a condition on the recipient side who receives a recommendation;~~

a select-model storage unit containing a select-model using probabilistic reasoning to identify a Bayesian network model of the plurality of Bayesian network models based on the recommendation conditions;

a model ~~determining~~ selecting unit for ~~determining~~ selecting a Bayesian network model corresponding to the recommendation condition as an application model from the stored plurality of Bayesian network models using the stored select-model by applying the probabilistic reasoning of the select-model to a recommendation condition, the recommendation condition comprising an attribute of the recipient and a situation in which the recommendation is provided ~~stored in the model storage unit;~~

a reasoning unit for reading out the application selected Bayesian network model determined by the model determining unit from the model storage unit and for obtaining a recommendation of media content through probabilistic reasoning that uses based on the read-out application Bayesian network model; and

a recommending unit for providing the recommendation of media content obtained by the reasoning unit to the recipient.

2 - 5. (Canceled)

6. (Currently Amended) ~~The A~~ vehicle information processing system for using a Bayesian network model to provide a probabilistically appropriate recommendation of media content to a recipient who receives the recommendation, the recipient being an occupant according to claim 5, the vehicle information processing apparatus further comprising:

a model storage unit storing a plurality of different Bayesian network models corresponding to a plurality of recipients, the Bayesian network models providing probabilistically appropriate recommendations of media content to the recipients depending on recommendation conditions;

a model selecting unit for selecting a Bayesian network model from the stored Bayesian network models based on a recommendation condition associated with the recipient;

a reasoning unit for reading the selected Bayesian network model from the model storage unit and for obtaining a recommendation of media content using probabilistic reasoning associated with the read Bayesian network model;

a recommendation unit for providing the recommendation of media content to the recipient;

a response receiving unit for receiving a response made by the recipient in response to the recommendation of media content;

a learning model information storage unit containing the storing information associating learning models in association with corresponding Bayesian network models of the stored Bayesian network models; and application model applied to the probabilistic reasoning in the reasoning unit

a model learning unit for:
identifying a learning model associated with the selected Bayesian network model based on the stored learning model information;
learning the identified learning model based on the received response;
and

updating the identified learning model by specializing the identified learning model for the recommendation condition associated with the recipient,

wherein the learning models ~~comprise~~ comprises, among the models stored in the model storage unit, models a model identical with to the Bayesian network models application model and [[a]] different model models influenced by the a result of the probabilistic reasoning that uses associated with the application read Bayesian network model; and

~~the model learning unit learns models using the response received by the response receiving unit, wherein the models are associated with the application model as the learning models in the learning model information storage unit.~~

7. (Currently Amended) The vehicle information processing system according to claim 6, wherein

the learning model information storage unit contains reflection parameters indicating the a degree to which the response is reflected in the learning of the learning models, wherein each reflection parameter is set for each of a plurality of the learning models corresponding to one of the Bayesian network models ~~application model~~, and

the model learning unit performs learning processing such that a reflection parameter associated with a learning model ~~to be learned~~ is read out from the learning model information storage unit and the response is reflected in the learning model to the degree according to the read out reflection parameter.

8. (Currently Amended) ~~The~~ A vehicle information processing system for using a Bayesian network model to provide a probabilistically appropriate recommendation of media content to a recipient who receives the recommendation, the recipient being an occupant according to claim 5, the vehicle information processing apparatus further comprising:

a model storage unit storing a plurality of different Bayesian network models corresponding to a plurality of recipients, the Bayesian network models providing

probabilistically appropriate recommendations of media content to the recipients
depending on recommendation conditions;

a model selecting unit for selecting a Bayesian network model from the stored
Bayesian network models based on a recommendation condition associated with the
recipient;

a reasoning unit for reading the selected Bayesian network model and for
obtaining a recommendation of media content using probabilistic reasoning associated
with the read Bayesian network model;

a recommending unit for providing the recommendation of media content to the
recipient;

a response receiving unit for receiving a response of the recipient in response to
the recommendation of media content;

a model learning unit for learning the stored Bayesian network models using the
received response and for updating the learning models to models specialized for the
recommendation condition associated with the recipient; and

a learning data obtaining unit for obtaining learning data used in learning by-
which to bring the specialized models specialized for each recommendation condition-
through the learning by the model learning unit is brought closer to a general model,

wherein the model learning unit uses the learning data obtained by the learning-
data obtaining unit to learn the learning models stored in the model storage unit.

9. (Currently Amended) The vehicle information processing system according to
claim 8, further comprising:

a learning reflection parameter storage unit ~~containing~~ storing learning reflection parameters indicating ~~the degree~~ respective degrees to which the learning data is reflected in the learning of the learning models, wherein

the model learning unit performs learning processing such that the learning data is reflected in learning of the learning models to the respective degrees based on degree according to the learning reflection parameter parameters ~~read out from the learning reflection parameter storage unit.~~

10. (Currently Amended) The vehicle information processing system according to claim 1, further comprising:

information recommending devices, each having the recommending unit; and
a center device communicatively connected with the information recommending devices,

wherein the center device collects from each information recommending device the response received from the recipient when the recommendation of media content is provided.

11. (Canceled)

12. (Canceled)

13. (Currently Amended) The vehicle information ~~recommending device~~
processing system according to any one of claims 1 and 6-9 ~~claim 12~~, wherein the
device system is provided in a car.

14. (Canceled)

15. (Canceled)